

SEQUENCE LISTING

<110> MERCK-SANTE
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

<120> Insulin-induced gene as therapeutic target in diabetes

<130> BFF 03P0004

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 1062

<212> DNA

<213> Rattus sp.

<400> 1

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<210> 2

<211> 353

<212> PRT

<213> Rattus sp.

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 20 25 30

Gly Leu Phe Asp Ser Phe Ser Leu Ile Arg Val Asp Cys Ser Ser Leu
 35 40 45

Gly Pro His Ile Val Pro Val Pro Ile Pro Leu Asp Thr Ala His Leu
 50 55 60

Asp Leu Ser Ser Asn Arg Leu Glu Thr Val Asn Glu Ser Val Leu Gly
 65 70 75 80

Gly Pro Gly Tyr Thr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu
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Leu Thr Ser Ile Thr Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu
 100 105 110

Ser Leu Asp Leu Ser His Asn Gly Leu Ala Ala Leu Pro Ala Glu Val
 115 120 125

Phe Thr Ser Ser Pro Leu Ser Asp Ile Asn Leu Ser His Asn Arg Leu
 130 135 140

Arg Glu Val Ser Ile Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala
 145 150 155 160

Leu His Val Asp Leu Ser His Asn Leu Ile His Arg Leu Leu Pro Tyr
 165 170 175
 Pro Ala Arg Ala Ser Leu Ser Ala Pro Thr Ile Gln Ser Leu Asn Leu
 180 185 190

Ser Trp Asn Arg Leu Arg Ala Val Pro Asp Leu Arg Asp Leu Pro Leu
 195 200 205

Arg Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Thr Ile Asn Pro Gly
 210 215 220

Ala Phe Met Gly Leu Ala Gly Leu Thr His Leu Ser Leu Ala Ser Leu
 225 230 235 240

Gln Gly Ile Leu Gln Leu Pro Pro His Gly Phe Arg Glu Leu Pro Gly
 245 250 255

Leu Gln Val Leu Asp Leu Ser Gly Asn Pro Lys Leu Lys Trp Ala Gly
 260 265 270

Ala Glu Val Phe Ser Gly Leu Gly Leu Leu Gln Glu Leu Asp Leu Ser
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Gly Ser Ser Leu Val Pro Leu Pro Glu Thr Leu Leu His His Leu Pro
 290 295 300

Ala Leu Gln Ser Val Ser Val Gly Gln Asp Val Gln Cys Arg Arg Leu
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Val Arg Glu Gly Ala Val His Arg Gln Pro Gly Ser Ser Pro Lys Val
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Leu

<210> 3

<211> 2557

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (14)..(1075)

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 Trp Ala Gly Ala Glu Val Phe Ser Gly Leu Ser Ser Leu Gln Glu Leu
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gac ctt tcg ggc acc aac ctg gtg ccc ctg cct gag gcg ctg ctc ctc 913
 Asp Leu Ser Gly Thr Asn Leu Val Pro Leu Pro Glu Ala Leu Leu Leu
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 Arg Arg Leu Val Arg Glu Gly Thr Tyr Pro Arg Arg Pro Gly Ser Ser
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 Pro Lys Val Ala Leu His Cys Val Asp Thr Arg Glu Ser Ala Ala Arg
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 Gly Pro Thr Ile Leu
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2557

<210> 4

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (121)..(121)

<223> 'Xaa' in position 121 represents Ala or Thr.

<400> 4

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20      25      30

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Leu Phe Asp Ser Phe Ser Leu Thr Arg Val Asp Cys Ser Gly Leu Gly
35      40      45

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Pro His Ile Met Pro Val Pro Ile Pro Leu Asp Thr Ala His Leu Asp
50      55      60

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Leu Ser Ser Asn Arg Leu Glu Met Val Asn Glu Ser Val Leu Ala Gly
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Pro Gly Tyr Thr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu Leu
85      90      95

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Thr Ser Ile Ser Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu Ser
100     105     110

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Leu Asp Leu Ser His Asn Gly Leu Xaa Ala Leu Pro Ala Glu Ser Phe
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Thr Ser Ser Pro Leu Ser Asp Val Asn Leu Ser His Asn Gln Leu Arg
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Glu Val Ser Val Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala Leu
 145 150 155 160

His Val Asp Leu Ser His Asn Leu Ile His Arg Leu Val Pro His Pro
 165 170 175

Thr Arg Ala Gly Leu Pro Ala Pro Thr Ile Gln Ser Leu Asn Leu Ala
 180 185 190

Trp Asn Arg Leu His Ala Val Pro Asn Leu Arg Asp Leu Pro Leu Arg
 195 200 205

Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Val Ile Gly Pro Gly Ala
 210 215 220

Phe Ala Gly Leu Gly Gly Leu Thr His Leu Ser Leu Ala Ser Leu Gln
 225 230 235 240

Arg Leu Pro Glu Leu Ala Pro Ser Gly Phe Arg Glu Leu Pro Gly Leu
 245 250 255

Gln Val Leu Asp Leu Ser Gly Asn Pro Lys Leu Asn Trp Ala Gly Ala
 260 265 270

Glu Val Phe Ser Gly Leu Ser Ser Leu Gln Glu Leu Asp Leu Ser Gly
 275 280 285

Thr Asn Leu Val Pro Leu Pro Glu Ala Leu Leu Leu His Leu Pro Ala
 290 295 300

Leu Gln Ser Val Ser Val Gly Gln Asp Val Arg Cys Arg Arg Leu Val
 305 310 315 320

Arg Glu Gly Thr Tyr Pro Arg Arg Pro Gly Ser Ser Pro Lys Val Ala
 325 330 335

Leu His Cys Val Asp Thr Arg Glu Ser Ala Ala Arg Gly Pro Thr Ile
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Leu

<210> 5

<211> 25

<212> DNA

<213> Artificial : primer

<400> 5

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25

<210> 6

<211> 31

<212> DNA

<213> Artificial : primer

<400> 6

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31

<210> 7

<211> 22

<212> DNA

<213> Artificial : primer

<400> 7

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22

<210> 8

<211> 29

<212> DNA

<213> Artificial : primer

<400> 8

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29

1